

AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions and listings:

1. (currently amended): A method for generating an immune response against one or more intracellular pathogens within warm-blooded animals, comprising:

(a) administering to a warm-blooded animal a gene delivery vehicle comprising a polynucleotide encoding at least one immunogenic portion of an antigen obtained from an intracellular pathogen, wherein the gene delivery vehicle is selected from the group consisting of retroviral vectors, alphavirus vectors, parvovirus vectors, plasmid vectors, or eukaryotic layered vector initiation system vectors; and

(b) administering to said warm-blooded animal at least one protein which comprises at least one immunogenic portion of an antigen obtained from said intracellular pathogen, such that an immune response against the intracellular pathogen is generated.

2. (original): The method according to claim 1, further comprising the step of administering an immunomodulatory cofactor.

3. (previously presented): The method according to claim 1, wherein said protein is administered prior to administration of said gene delivery vehicle.

4. (original): The method according to claim 1, wherein said intracellular pathogen is virus and said antigen a viral antigen.

5. (currently amended): The method according to claim 4, wherein said virus is a hepatitis virus ~~viral antigen is obtained from a virus selected from the group consisting of hepatitis, feline immunodeficiency virus (FIV), and human immunodeficiency virus (HIV).~~

6 to 11. (canceled).

12. (currently amended): The method according to claim 1, wherein said gene delivery vehicle is an alphavirus vector ~~selected from the group consisting of alphaviruses, adeno-associated virus and parvovirus.~~

13. (currently amended): The method according to claim 1, wherein said gene delivery vehicle is a ~~nucleic acid expression vector, or a~~ eukaryotic layered vector initiation system vector.

14 to 23. (canceled).

24. (previously presented): The method of claim 1, wherein the gene delivery vehicle comprises naked DNA.

25. (canceled).

26. (new): The method according to claim 4, wherein said virus is a feline immunodeficiency virus (FIV) or a human immunodeficiency virus (HIV).

27. (new): The method according to claim 1, wherein said gene delivery vehicle is a retroviral vector.

28. (new): The method according to claim 1, wherein said gene delivery vehicle is a parvovirus vector.

29. (new): The method according to claim 28, wherein said gene delivery vehicle is a adeno-associated virus vector.

30. (new): The method according to claim 1, wherein said gene delivery vehicle is a plasmid vector.